Recombinant Mouse Gstp1 protein, His-tagged

Cat. No. Gstp1-29M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Gstp1, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	Gstp1 also known as Glutathione S-transferase P 1. Gstp1 is a superfamily of ubiquitously expressed cytosolic, mitochondrial and membrane-associated enzymes involved in a range of detoxification processes. Also Increased Gstp1 levels were consistently associated with reduced Cdk5 activity. Gstp1 directly inhibits Cdk5 by dislodging p25/p35, and indirectly by eliminating oxidative stress.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	26kDa (233aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPPYTIV YFPVRGRCEA MRMLLADQGQ SWKEEVVTID TWMQGLLKPT CLYGQLPKFE DGDLTLYQSNAILRHLGRSL GLYGKNQREA AQMDMVNDGV EDLRGKYVTL IYTNYENGKN DYVKALPGHL KPFETLLSQN QGGKAFIVGD QISFADYNLL DLLLIHQVLA PGCLDNFPLL SAYVARLSAR PKIKAFLSSP EHVNRPINGN GKQ
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Gstp1 glutathione S-transferase, pi 1 [Mus musculus]
Official Symbol	Gstp1
Synonyms	GSTP1; glutathione S-transferase, pi 1; glutathione S-transferase P 1; gst P1; GST-piB; Gst p-1; GST YF-YF; GST class-pi; preadipocyte growth factor; GstpiB;
Gene ID	14870
mRNA Refseq	NM_013541
Protein Refseq	NP_038569
MIM	
UniProt ID	
Pathway	Biological oxidations, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem;

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Function	JUN kinase binding; S-nitrosoglutathione binding; dinitrosyl-iron complex binding; glutathione transferase activity; glutathione transferase activity; kinase regulator activity; transferase activity;

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